UNIVERSITI PUTRA MALAYSIA

INTERENT USAGE AMONG FEMALE UNDERGRADUATES IN FERDOWSI UNIVERSITY, IRAN

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INTERNET USAGE AMONG FEMALE UNDERGRADUATES IN FERDOWSI UNIVERSITY, IRAN

By
TOKTAM NAMAYANDEH JOORABCHI

Thesis Submitted to the School of Graduate Studies, Universiti Putra Malaysia, in Partial Fulfilment of the Requirements for the Degree of Master of Science

October, 2009
IN THE NAME OF GOD
I wish to dedicate this thesis to my beloved family; my father, my mother, Mohammad Reza who always understand and give me loving support
DEDICATION

This research is dedicated to my wonderful parents who have raised me to be the person I am today. You have provided me with support emotionally and financially throughout this long term journey. You have been a great source of much more than physical and emotional support. You have been with me every step of the way, through good time and bad. Thank you for unconditional love, guidance, and support that you have always given me, helping me succeed and instilling in me the confidence that I am doing anything I put my mind to. And also my brother who guide and support with excellent suggestions. Finally, this thesis is dedicated to all those who believe in the richness of learning.
The importance of the public use of Internet has noticeably increased in people’s daily life. Internet, regarding its potential possibilities has attracted most Internet users’ prominent attention specially, students. The significant portions of students who use the Internet are females. They involve with the Internet based on their needs for accessing information, satisfying their leisure activities, transferring their information, making communication with others and so forth.

This study was designed by applying the Use and Gratification theory framework to understand the Internet usage among female undergraduate students. The objectives of this study are to identify the relationship between the pattern of Internet usage, attitude
towards Internet, English language knowledge, field of studies, Internet skills, problems and purpose of using Internet with the gratification of Internet usage.

The present study used a survey design to achieve the objectives of the study. Non-probability sampling was employed in this study. The purposive sampling method was chosen for this study because the subjects were selected based on the specific demographical characteristics such as gender, age, education level, not working and using the Internet. A total of 319 respondents participated in the study in which 62 are from the field of English language and 257 from the other fields of humanities.

Five categories of gratification for using the Internet were identified, namely, *Escape*, *Affective*, *Cognitive*, *Social Integration*, and *Personal Integration*. Most of the female undergraduate students used Internet for searching and getting knowledge. Finding relevant information for research was the most important purpose for students. They mostly search in Persian Google.com. The most common problem of using the Internet is that it takes too long time to download the Internet pages. The most common gratification of using the Internet was related to information gathering and learning new things.

This study found no significant relationship between numbers of years in using the Internet with gratification of Internet usage. However, the relationships between attitude, purpose and frequency of Internet usage with gratifications of Internet usage are significant and positive.
Abstrak tesis ini dikemukakan kepada Senat Universiti Putra Malaysia sebagai memenuhi keperluan untuk ijazah Master Sains.

**Penggunaan Internet Dalam Kalangan Pelajar Wanita Peringkat Bacelor Universiti Ferdowsi, Iran**

Oleh

**TOKTAM NAMAYAMDE JOORANCHI**

**Oktober 2009**

**Pengerusi :** Profesor Md. Salleh Hj. Hassan, PhD

**Fakulti :** Bahasa Moden dan Komunikasi

Penggunaan Internet yang kian meluas menjadikan ianya sangat penting dalam kehidupan harian setiap orang. Internet menurik minat ramai pengguna terutamanya pelajar perkembangan yang begitu pantas menjadikan wanita antara pengguna yang paling ramai di dalam penggunaan Internet. Internet telah diadaptasi oleh para pengguna Internet untuk mencari pelbagai informasi yang dikehendaki, menyisi masa lapang, memberi informasi, dun berhubung dengan orang lain.

Kajian ini menggunakan Teori Penggunaan dan Pemuasan Kehendak (*Uses and Gratification Theory*) untuk memahami kegunaan Internet di kalangan pelajar wanita. Objektif kajian ini adalah untuk mengenalpasti hubungan antara pola penggunaan Internet, sikap terhadap penggunaan Internet, pengetahuan di dalam Bahasa Inggeris,
bidang pengajian dan kemahiran menggunakan Internet serta masalah dan tujuan ketika melayari Internet dengan gratifikasi penggunaan Internet.

Persampelan bukan kebarangkalian telah digunakan dalam kajian ini. Untuk kajian ini persampelan bertujuan digunakan kerana subjek dipilih adalah berdasarkan kawasan yang ditentukan. Seramai 319 orang responden menyertai kriteria kajian ini di mana 62 orang adalah dalam jurusan Bahasa Inggeris dan 257 lagi merupakan pelajar jurusan kemanusiaan.


Melalui kajian ini didapati tiada perkaitan yang signifikan antara kemahiran menggunakan Internet serta tempoh melayari Internet dengan gratifikasi. Akan tetapi terdapat hubungan yang positif dan signifikan antara sikap, tujuan dan kekerapan menggunakan Internet dan gratifikasi menggunakan Internet.
ACKNOWLEDGEMENTS

In the name of Allah, the most Beneficent, the most merciful. All praises and thanks are to Allah, the lord of the universe and all that exist.

Working on the thesis project is one of the most rewarding things that ever happen to me during the two years at Graduate school. It is difficult to adequately convey the depth of my gratitude to the many people who participated in this project by virtue of their generous and encouragement.

First of all, I give thanks and honour to God for sustaining me through the various trials, setbacks, and rewards that I have encountered along the way and for allowing this project to be brought to completion.

The first person I would like to thank is my thesis advisor, Professor. Dr. Md. Salleh Hj. Hassan for his inspiring suggestion, guidance, encouragement, and great patience with my seemingly endless revisions. Professor Salleh cares about his students so much that he is just like a father and I am really glad that I have come to get know him in my life.

Special thanks go to my committee members, Professor. Musa Abu Hassan, not only for all the constructive comments to keep me ever focused on the principles of good research, but also all the encouragement he has given me in the past two years.
I am indebted to Dr. Jusang Bolong and Dr. Bahaman for taking the time to guide me in resolving methodology difficulty. Their comments and questions were very useful and provocative.

My sincerest thanks go to my family who supported me with their advice and finance. They offered me great help all along out. I could not advance the goal in my life without their support.

There have been countless others who have contributed in part of the completion of this work and collectively to the development of my mind and spirit. The chain of my gratitude would be definitely incomplete if I would forget to thank the first cause of this chain, using Aristotle’s words, The Prime Mover. My deepest and sincere gratitude for inspiring and guiding this humble being.

I would also like to acknowledge Azadeh Asgari who is the best of my friend in my educational and social life. She always shows me the way to be the best in every aspect in my life. I appreciate her support and help. I am also grateful to another friend, Somayeh Mortazavi and Narges Bani Najarian who provide advice for me on the research.
I certify that an Examination Committee has met on 26 October 2009 to conduct the final examination of Toktam Namayandeh Joorabchi on her Master of Science thesis entitled “Internet usage among Female Undergraduate in Ferdowsi University, Iran” in accordance with Universiti Putra Malaysia (Higher Degree) Act 1980 and Universiti Pertanian Malaysia (Higher Degree) Regulation 1981. The Committee recommend that the student be awarded the degree of Master of Science.

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This thesis was submitted to the Senate of Universiti Putra Malaysia and been accepted in partial as fulfilment of the requirement for the degree of Master of Science. The members of the Supervisory Committee were as follows:

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Universiti Putra Malaysia
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School of Graduate Studies
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Date: 11February 2010
DECLARATION

I hereby declare that the thesis is based on my original work except for quotation and citations which have been duly acknowledged. I also declare that it has not been previous or concurrently submitted for any other degree at UPM or other institutions.

TOKTAM NAMAYANDEH JOORABCHI

Date:
TABLE OF CONTENTS

DEDICATION iv
ABSTRACT v
ABSTRAK vii
ACKNOWLEDGMENTS ix
APPROVAL xi
DECLARATION xiii
LIST OF TABLE xvii
LIST OF FIGURES xviii
LIST OF ABREVIATIONS xix

CHAPTER

1 INTRODUCTION
   Background of the Study 1
   Problem Statement 3
   Research Questions 5
   Research Objectives 5
   Significant of the Study 6
   Limitations of the Study 7
   Definition of Terms 8

2 LITERATURE REVIEW
   Introduction 10
   Brief history of the Internet 10
   Definition and taxonomy 12
      Internet 13
      Definition Characteristics of the World Wide Web 13
      Differences between Internet and World Web 14
   History of Internet in Iran 15
   The Internet Population in Iran 18
   The Internet Boom in Iran 19
   Access to the Internet in Iran 21
   Researches on Internet usage in Iran 23
   Purposes of Internet Usage 27
   Pattern of Internet Usage 29
   Attitudes towards Internet 30
   Internet and English Language 31
   Problems of Internet Usage 32
   Language barrier 33
Field of Study and Internet 35
Internet skill 36
The perspective of Use and Gratification Theory in Internet use 36
Theoretical Background of the Use and Gratification Theory 42
Assumptions in Use and Gratification Theory 44
Conceptual Framework 50
Research Hypothesis 51

3 RESEARCH METHODOLOGY

Introduction 52
Research Design 52
Research Location 53
Population and Sampling Design 55
Research Instrument 56
Reliability of Measurement 62
Pretesting 62
Data collection 64
Data Analysis 65

4 RESULT AND DISCUSSION

Introduction 68
Demographic Characteristics of the Respondents 68
Field of study, age, semester, occupation 69
Pattern of Internet Usage 70
  - Length of Internet Usage 72
  - Time Spend in a Week 72
  - Frequency of Internet Usage by Hours in a Week 72
  - Place of Use 73
  - E-mail 73
  - Connections 73
  - Internet Skills 73
Attitudes towards Internet 74
Purposes of Using the Internet 76
English Language Knowledge 78
Search Engine 79
Language for Searching 79
Problems of Internet usage 80
Gratifications of Internet Usage 81
Relationship between English Knowledge and Gratifications of Using the Internet 83
Relationship between Field of Study and Gratifications of Using the Internet 84
5 SUMMARY AND CONCLUSION

Introduction 92
Summary of the Research 92
Problem Statement 92
Objective of the Study 94
Methodology of the research 95
Summary of Findings 96
Conclusion of the Study 99
Implications of the Study 101
Implications for Theoretical Perspective 101
Implication for Practical Perspective 102
Recommendation for Future Research 103

REFERENCES 105
APPENDICES 115
BIODATA OF STUDENT 124
# LIST OF TABLES

<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gratifications of Using Internet Item</td>
<td>61</td>
</tr>
<tr>
<td>2</td>
<td>Cronbach’s Alpha Value of Instruments</td>
<td>63</td>
</tr>
<tr>
<td>3</td>
<td>Statistical Procedures and Variables for each phase of research</td>
<td>67</td>
</tr>
<tr>
<td>4</td>
<td>Demographic Profile of the Respondents</td>
<td>70</td>
</tr>
<tr>
<td>5</td>
<td>Distribution of the Respondents by Frequency of Internet Usage</td>
<td>71</td>
</tr>
<tr>
<td>6</td>
<td>Distribution of the Respondents according to Attitude toward Inter Usage</td>
<td>75</td>
</tr>
<tr>
<td>7</td>
<td>Distribution of the Respondents according to purpose of Internet Usage</td>
<td>77</td>
</tr>
<tr>
<td>8</td>
<td>English knowledge</td>
<td>78</td>
</tr>
<tr>
<td>9</td>
<td>Respondent’s choice of Search Engine</td>
<td>79</td>
</tr>
<tr>
<td>10</td>
<td>Language for Searching</td>
<td>79</td>
</tr>
<tr>
<td>11</td>
<td>Distribution of the Respondents according problem of Internet Usage</td>
<td>80</td>
</tr>
<tr>
<td>12</td>
<td>Distribution of the Respondents according to gratification of Internet Usage</td>
<td>82</td>
</tr>
<tr>
<td>13</td>
<td>Relationship between English Language and Gratification of Internet Usage</td>
<td>83</td>
</tr>
<tr>
<td>14</td>
<td>Relationship between Field of Study and Gratification of Internet Usage</td>
<td>84</td>
</tr>
<tr>
<td>15</td>
<td>Relationship between Internet Skill and Gratification of Internet Usage</td>
<td>85</td>
</tr>
<tr>
<td>16</td>
<td>Relationship between Attitude toward Internet and Gratification of Internet Usage</td>
<td>87</td>
</tr>
<tr>
<td>17</td>
<td>Relationship between Pattern of Internet Usage and Gratification of Internet Usage</td>
<td>88</td>
</tr>
<tr>
<td>18</td>
<td>Relationship between purpose of Internet Usage and Gratification of Internet Usage</td>
<td>90</td>
</tr>
</tbody>
</table>
# LIST OF FIGURES

<table>
<thead>
<tr>
<th>Figure</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Use and Gratification Model</td>
<td>47</td>
</tr>
<tr>
<td>2</td>
<td>Conceptual Frame Work of the Study</td>
<td>50</td>
</tr>
</tbody>
</table>
# LIST OF ABBREVIATIONS

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Full Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADSL</td>
<td>A Symmetrical Digital Subscriber Line</td>
</tr>
<tr>
<td>AHRD</td>
<td>Academy of Human Resource Development</td>
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<td>ARPA</td>
<td>Advance Research Project Agency</td>
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<tr>
<td>ASPs</td>
<td>Access Service Providers</td>
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<tr>
<td>BBS</td>
<td>British Broadcasting System</td>
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<td>CMC</td>
<td>Computer Mediated Communication</td>
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<td>DCCI (DCI)</td>
<td>Communication Company of Iran</td>
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<td>DNS</td>
<td>Domain Name Server</td>
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<td>EU</td>
<td>European Union</td>
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<td>Gbps</td>
<td>Giga bits per seconds</td>
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<td>HRD</td>
<td>Human Resource Development</td>
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<tr>
<td>HTML</td>
<td>Hyper-Text Markup Language</td>
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<td>HTTP</td>
<td>Hyper-Text Transfer Protocol</td>
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<tr>
<td>IM</td>
<td>Instant Message</td>
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<td>ICT</td>
<td>Information Communication Technology</td>
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<td>ICPs</td>
<td>Internet Connection Providers</td>
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<tr>
<td>IMP</td>
<td>Interface Message Processor</td>
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<td>IRC</td>
<td>Internet Relay Chat</td>
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<td>IPM</td>
<td>Institutes for studies in theoretical Physics and Mathematics</td>
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<tr>
<td>IP</td>
<td>Internet Protocol</td>
</tr>
<tr>
<td>ISPs</td>
<td>Internet Service Providers</td>
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<tr>
<td>IT</td>
<td>Information Technology</td>
</tr>
<tr>
<td>Mbps</td>
<td>Mega Bits per seconds</td>
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<td>MERIT</td>
<td>Middle East Review of International Affairs</td>
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<td>NCP</td>
<td>Network Control Protocol</td>
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<td>NIC</td>
<td>Network Information Center</td>
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<tr>
<td>Abbreviation</td>
<td>Full Form</td>
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<tr>
<td>MUDs</td>
<td>Multi Users Dungeons</td>
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<tr>
<td>NCP</td>
<td>Network Control Protocol</td>
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<tr>
<td>NSF</td>
<td>National Science Foundation</td>
</tr>
<tr>
<td>UK</td>
<td>United Kingdom</td>
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<td>US</td>
<td>United States of America</td>
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<tr>
<td>PTA</td>
<td>Personal Travel Assistant</td>
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<tr>
<td>PTT</td>
<td>Post, Telephone, Telegraph</td>
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<td>PPP</td>
<td>Purchasing Power Parity</td>
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<tr>
<td>SRI</td>
<td>Stanford Research Institution</td>
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<tr>
<td>TCI</td>
<td>Telecommunication Company of Iran</td>
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<td>WWW</td>
<td>World Wide Web</td>
</tr>
</tbody>
</table>
CHAPTER 1
INTRODUCTION

This chapter begins with background of the study, problem statement and research questions, followed by research objectives, significance of the study, limitations of the study and definition of terms.

BACKGROUND OF THE STUDY

Without doubt the Internet is the fastest growing communication technology today (Dlodlo and Sithole, 2001). According to Internet World Stats, as of December 30, 2007, 1.319 billion people have used the Internet. The Internet revolution has brought effective changes to the area of education (Luan, Fung, Nawawi and Hong, 2005). The use of communication technology is also growing rapidly in colleges and universities. The assumption about the Internet is that it benefits the college students tremendously and learning appears to be a rich field that is just beginning to be discovered. According to Owston (1997), educators around the globe have shown a great interest in the World Wide Web more than any other recent technologies.

Therefore, the Internet or the World Wide Web (www or Web) has become extremely popular. The use of Web technologies is now expanding into education. Scholars and educators have already realized some of the potential of Web technology in teaching and learning. However, past successes of Web utilisation were dependent upon users’ attitudes toward the Web (Daugherty & Funke, 1998).
The Internet appears to be one of the fastest growing means of communication in history. More people have faster access to a greater amount of information than ever before with using the Internet. Effectively, it offers an affordable and easy way to get and also distribute information. Using the Internet allows people to access databases, library catalogues, commercial services and government. The Internet applications are in the form of hypertext pages that provide combined services such as text, audio, video, graphics and animation. All these together have made the internet very rich as a source. The new millennium has set in the state of art in the field of information and communication technology (ICT) converged into one entity. The Internet, for instance has surpassed all forms of communication media (Buyong & Idid, 1999).

Almost, the half of Iran citizens is women who are considered as the important human resources. During last decade, women’s in the society dramatically promoted because of their merits and abilities, so that, more than 60 percent of students who are accepted in the university contains of female. This is true for university chosen for the research. Living in the world surrounded by the Internet encourages women to use it for responding whatever they need. Internet helps them understand the world better and enables them to gratify most kinds of their needs.

The goal of this study is to gain an understanding of Internet usage among female undergraduates as a resource to fulfill the purposes of their internet surfing. Ferdowsi University was chosen as the location of the study and Use and Gratification theory (U&G) was suggested as the framework for the current research to analyse the purposes, patterns, problems and attitudes towards internet. The Use
and Gratification theory has a long history within the field of communication investigation and has proven to be a useful model for researching how and why people use certain communication media. The U&G theory can be a starting point for studying students’ internet usage in real surfing behaviour.

**PROBLEM STATEMENT**

The major concern of information technology, as we live in the information age, is the use of computers to convert data into useful information in making decisions (Tatnall et al., 2003). The recent and rapid growth of the Internet in Iran has been perceived as a potential boom in many aspects. All sorts of information are available on the Internet, which is being adopted for many purposes.

Lack of information creates a negative impact on our lives, particularly on the educated layer of the society. The Internet is one of the most important mass media in the world and it changes the world in many aspects. Students are the most important group in society because they would be building the society in the future, especially the female students who have a huge effect on society even at home. Developing countries are known for the high rate of educated women in university. Women who use the Internet tend to be more open-minded than those who not use the Internet.

The scholars of the theory of Use and Gratification have conducted research on the purpose of female undergraduate using mass media and how their needs are fulfilled by their exposure to particular media. Palmgreen (1984) mentions that people select
media which closely match their needs and interests. This means that the use of the Internet is operated by choice, but the selection of specific contents would also depend on users’ interests.

As individuals request for better use of their World Wide Web (WWW) resources, the effects of English language knowledge on using the Internet and the gratification for using it is a fundamental issue. A number of studies have been conducted to explore Internet usage among students or WWW within the scope of the Use and Gratification theory. This study is an attempt to fill the gap in literature by identifying users’ attitudes, purposes, patterns and problems in the use of the Internet.

Access to the Internet is the pre condition to log on to World Wide Web. Internet experience and computers skills may influence users’ website usage and Gratification level. According to Novak, Hoffman and Yung (2000), Internet skills are positively related to how long an individual has been using the Internet.

The Internet is one of the popular media in Iran, but there are many problems in using it which may make the big knowledge gap between those who have high-tech Internet and those do not have. Informing the problems and considering them can help the related responsible eliminate them and develop appropriate ways to improve students’ skills in using Internet.

Most information stored in the Internet is in English specially, academic data. It must be acknowledged that English is most common language that is increasingly